

# A FIRE RETARDANT COMPOSITE PANEL PRODUCT AND A METHOD AND SYSTEM FOR FABRICATING SAME

## ABSTRACT OF THE INVENTION

5           In one embodiment, a fire retardant composite panel material is  
fabricated. A water-based slurry comprising partially soluble boric acid and  
borax pentahydrate solids is created. An adhesive used in the composite panel  
fabrication process is added to fibers. The water-based slurry is separately  
added to the adhesive and, after mixing, to the fibers. The composite panel  
10   produced thereby is also described.